CLAIMS

What is claimed is:

1. A drain plug apparatus for a container with a tubular port, comprising:

a threaded tubular body with a closed end and a flared open end having a plurality of longitudinal slots and a plurality of transverse bores; and

a handle;

wherein said flared end of said tubular body is configured to radially compress when inserted into a tubular port of a container.

2. An apparatus as recited in claim 1, wherein said threaded tubular body further comprises:

a first set of external threads; and

a second set of external threads;

wherein said first set of external threads and said second set of external threads are configured to engage threads in a threaded tubular port of a container.

3. An apparatus as recited in claim 2, wherein said first set of external threads of said threaded tubular body has a height that is greater than a height of said second set of external threads.

4. An apparatus as recited in claim 2, wherein said first set of external threads of said threaded tubular body have tapered threads and said second set of external threads are straight threads.

5. An apparatus as recited in claim 4, wherein said tapered threads of said first set of external threads of said threaded tubular body have a upward taper and a downward taper.

6. An apparatus as recited in claim 2, said threaded tubular body further comprising:

a third set of external threads contiguous with said second set of threads.

7. An apparatus as recited in claim 4, wherein said third set of external threads comprises tapered threads.

8. An apparatus as recited in claim 1, wherein said handle comprises a knurled knob.

9. An apparatus as recited in claim 1, wherein said handle comprises a polygonal shaped head.

10. An apparatus as recited in claim 1, wherein said handle comprises a metal rod.

11. An apparatus as recited in claim 1, wherein said tubular body further comprises:

an annular groove on an interior surface of said flared end of said tubular body; and

a resilient ring disposed within said annular groove.

12. An apparatus as recited in claim 1, further comprising means for sealing the plug with a tubular port of a container.

13. An apparatus as recited in claim 12, wherein said means for sealing comprises a seal disposed between said handle and a flange of said tubular port.

14. An apparatus as recited in claim 12, wherein said seal comprises an o-ring.

15. A drain plug apparatus, comprising:

a cylindrical body having a central conduit with at least one sidewall orifice, a flared end with plurality of longitudinal notches and external threads; and

a threaded drain port configured to be mounted within an opening in a container, said port having a threaded tubular collar sized to mate with the threads of said cylindrical body, and a flange;

wherein said flared end of said cylindrical body is configured to radially compress when inserted in said tubular collar of said threaded drain port.

16. An apparatus as recited in claim 15, further comprising a handle disposed on a closed end of said cylindrical body.

17. An apparatus as recited in claim 16, wherein said handle comprises a rod.

18. An apparatus as recited in claim 16, wherein said handle comprises a knurled knob.

19. An apparatus as recited in claim 15, further comprising means for sealing said cylindrical body with said threaded drain port.

20. An apparatus as recited in claim 19, wherein said means for sealing comprises a tapered set of threads on said closed end of said cylindrical body.

21. An apparatus as recited in claim 19, wherein said means for sealing comprises an o-ring.

22. An apparatus as recited in claim 19, wherein said means for sealing further comprises a beveled seat on said threaded drain port.

23. An apparatus as recited in claim 15, wherein said cylindrical body further comprises:

an annular groove on an interior surface of said flared end of said cylindrical body; and

a resilient ring disposed within said annular groove.

24. An apparatus as recited in claim 15, wherein said threads of said cylindrical body comprise:

a first set of external threads; and

a second set of external threads configured to engage corresponding threads in a threaded tubular port.

25. An apparatus as recited in claim 24, wherein said first set of external threads of said cylindrical body has a height that is greater than a height of said second set of external threads.

26. An apparatus as recited in claim 15, said threaded tubular body further comprising:

a third set of external threads.

27. An apparatus as recited in claim 26, wherein said cylindrical body and third set of external threads are tapered.

28. A drain plug apparatus for a marine vessel having a threaded tubular port, comprising:

a cylindrical body with a plurality of external threads and a tapered closed end and a flared open end;

wherein said flared open end has a central channel, a plurality of longitudinal notches and a plurality of transverse bores;

wherein said flared open end of said cylindrical body is configured to radially compress when inserted in a threaded tubular port;

wherein said external threads at a distal end of said tapered closed end of said cylindrical body are sized to be greater than or equal to the diameter of the threaded tubular port.

29. An apparatus as recited in claim 28, further comprising a handle disposed on said tapered closed end of said cylindrical body.

30. An apparatus as recited in claim 29, wherein said handle comprises a rod.

31. An apparatus as recited in claim 29, wherein said handle comprises a knurled knob.

32. An apparatus as recited in claim 29, wherein said handle comprises a polygonal shaped head.

33. An apparatus as recited in claim 29 wherein said cylindrical body further comprises means for limiting the radial compression of said flared end of said cylindrical body.

34. An apparatus as recited in claim 33 wherein said means for limiting radial compression comprises:

an annular groove on an interior surface of said flared open end of said cylindrical body; and

a resilient ring disposed within said annular groove.